



(19)

(11) Publication number: **05277141**

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **04106035**(51) Intl. Cl.: **A61F 2/44 A61L 27/00**(22) Application date: **30.03.92**

(30) Priority:

(43) Date of application
publication: **26.10.93**(84) Designated contracting
states:(71) Applicant: **TOKAI RUBBER IND LTD
NIPPON ELECTRIC GLASS CO
LTD**(72) Inventor: **KANEDA KIYOSHI
ASANO SATOSHI
TADANO SHIGERU
ISHIKAWA HIROMASA
SHIBUYA TAKEHIRO
SAKURABA YUKIO
BABA KIYOSHI**

(74) Representative:

**(54) ARTIFICIAL
INTERVERTEBRAL DISK**

(57) Abstract:

PURPOSE: To provide the artificial intervertebral disk having adequate rigidity to compression and torsional characteristic.

CONSTITUTION: Two sheets of approximately planar bodies 10, 11 consisting of bioactive ceramic materials hold an approximately planar body 14 consisting of a high-molecular elastic material having bioadaptability. The approximately planar body 14 consisting of an elastic high-molecular material is formed of at least two layers; an inside layer 12 having 0.1 to 5MPa Young's modulus and 0.05 to 0.45 Poisson ratio and an outside layer annularly enclosing the

circumference thereof and having 7 to 20MPa Young's modulus and 0.35 to 0.49 Poisson ratio.

COPYRIGHT: (C)1993,JPO&Japio

